DRAWINGS

FIG. 1

2 -- client terminal; 3 -- network; 4 -- portal server; 5 --
contents sales server; 1 -- contents sales system

FIG. 2

bookmark

FIG. 3

<see Fig. 2>

top page; contents sales system; A Corporation CD sales page; A
Corporation DVD sales page; C Corporation new score information
page

FIG. 4

<see Fig. 3>

Welcome to CD sales page!

Input music genre.

Rock

Input artist name.

search

FIG. 5

<see Fig. 4>

Welcome to CD purchase page!

FIG. 6

10 -- control section; 15 -- data communication processing
section; to network 3

FIG. 7

FIG. 8

35 -- operation input section; 36 -- input processing section; 37 -- display section; 38 -- display processing section; 39 -- media drive; 40 -- audio data processing section; 42 -- tuner; 44 -- communication processing section; 45 -- network interface

FIG. 9

FIG. 10

56 -- XML browser; 58A -- authentication library; 58B -- clip library;

54 -- Internet radio channel selection reproduction module;

55 -- music purchase reproduction module;

61 -- related information display module;

62 -- tuner selection reproduction/sound recording module;

64 -- CD reproduction module;

65 -- HDD reproduction module;

57 -- hard disk contents controller;

52 -- contents reproduction module;

53 -- copyright protection management module;

60 -- contents data access module;

59 -- database access module;

5 -- contents sales server; Internet radio server; music distribution operation server; 4 -- portal server; related information provision server

FIG. 11

2 -- client terminal; 2A -- application module; 2B --
communication module; 4 -- portal server; 5 -- contents sales
server;

SP1 -- request source of top page;

SP2 -- transmit ID and password;

SP3 -- user authentication processing;

SP4 -- source of notification page exists?

SP8 -- request source of notification page;

SP10 -- display notification page;

SP11 -- request again source of top page;

SP6 -- obtain authentication result information;

SP5 -- transmit authentication result information;

SP7 -- transmit memory location information on notification page;

SP9 -- transmit source of notification page

FIG. 12

SP12 -- transmit source of top page;

SP13 -- display top page;

SP14 -- request source of CD sales page;

SP15 -- transmit authentication result information recently
obtained;

SP16 -- determination processing;

SP17 -- request source of CD sales page;

SP18 -- display CD sales page

FIG. 13

notification page;

September 8, portal server will be stopped for maintenance.

FIG. 14

<see Fig. 11>

SP21 -- request source of CD sales page;

SP22 -- transmit authentication result information recently obtained;

SP23 -- determination processing;

SP24 -- reject request;

SP25 -- transmission ID and password;

SP26 -- user authentication processing

FIG. 15

SP27 -- transmit authentication result information;

SP28 -- obtain authentication result information;

SP29 -- request again source of CD sales page and transmit authentication result information recently obtained;

SP30 -- determination processing;

SP31 -- transmit source of CD sales page;

SP32 -- display CD sales page

FIG. 16

SP40 -- transmit authentication result information;

SP41 -- obtain authentication result information;

SP42 -- transmit memory location information of notification page;

SP43 -- request source of notification page and transmit service

identification information and URL;

SP44 -- inquire status of service;

SP45 -- add thus obtained information to source of notification

page;

SP46 -- transmit source of notification page;

SP47 -- display notification page;

SP48 -- request again source of CD sales page;

SP49 -- transmit authentication result information recently

obtained;

SP50 -- determination processing;

SP51 -- transmit source of CD sales page;

SP52 -- display CD sales page

FIG. 17

<see Fig. 13>

A Corporation CD sales service is available now.

FIG. 18

<see Fig. 8>

1024 -- display control section; 1028 -- external recording medium

recording/reproducing section; 1030 -- broadcast signal receiving

section; 1031 -- tuner section; 1034 -- encoder/decoder; 1035 --

copyright management section; 1038 -- authentication information

storing section; 1023 -- control section; 1022 -- bus; 1029 --

storage medium; 1032 -- communication control section; 1033 --

network I/F; 1026 -- audio control section; 1027 -- speaker; 1036

-- page information generation section; 1037 -- authentication

processing section; 1039 -- radio broadcast display control

section;

FIG. 19

<see Fig. 18>

1054 -- customer DB section; 1055 -- page information storing

section; 1058 -- frequency information storing section; 1059 --

URL storing section

FIG. 20

<see Fig. 19>

1098 -- package media information storing section; 1099 --

retrieval section

FIG. 21

<see Fig. 11>

SP1000 -- request top page;

SP1001 -- add authentication session ID; authentication error;

SP1002 -- authentication session ID authentication processing;

SP1003 -- transmit user ID and password;

SP1004 -- authentication processing;

SP1005 -- notification page included?

SP1006 -- reply to authentication;

authentication session ID, URL of notification page;

SP1007 -- store authentication session ID;

URL of notification page;

SP1008 -- request notification page;

SP1009 -- add authentication session ID;

SP1011 -- transmit notification page;

SP1012 -- update authentication session ID;

SP1013 -- display notification page

FIG. 22

<see Fig. 21>

SP1018 -- transmit top page;

SP1020 -- display top page

FIG. 23

<see Fig. 21>

SP1050 -- request sales page; authentication error, shop code;

SP1053 -- request issuance of authentication ticket

FIG. 24

<see Fig. 23>

SP1070 -- issue authentication ticket;

SP1072 -- request authentication; authentication ticket;

SP1073 -- request authentication of authentication ticket;

SP1074 -- authentication ticket. authentication processing;

SP1075 -- issue session ID, reply to authentication;

SP1076 -- store session ID;

SP1077 -- add session ID;

SP1079 -- transmit sales page;

SP1080 -- update session ID;

SP1081 -- display sales page